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In re application of

Yasuyuki SUZUKI et al. : Attn: BOX PCT

Serial No. NEW : Docket No. 2002\_0206A

Filed February 19, 2002

PERCUTANEOUS ABSORPTION PREPARATIONS  
[Corresponding to PCT/JP00/05525  
Filed August 18, 2000]

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents,  
Washington, DC 20231

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicants request consideration of [X] the references listed on attached form PTO-1449 and/or [] the additional information identified below in paragraph 3. A legible copy of each reference listed on the form PTO-1449 and each U.S. patent application listed below is enclosed, except a copy is not provided for each reference previously cited by or submitted to the Patent Office in international application no. PCT/JP00/05525.

1a. [X] This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the above-entitled application, or

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

and thus no certification and/or fee is required.

- 1b.  This Information Disclosure Statement is submitted  
after the events of above paragraph 1a and prior to the mailing date of a final Office Action  
or a Notice of Allowance or an action which otherwise closes prosecution in the  
application, and thus:  
(1)  the certification of paragraph 2 below is provided, **or**  
(2)  the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.
- 1c.  This Information Disclosure Statement is submitted:  
after the mailing date of a final Office Action or Notice of Allowance or action which  
otherwise closes prosecution in the application, and prior to payment of the issue fee, and  
thus:  
**the certification of paragraph 2 below is provided, and**  
**the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.**
2. It is hereby certified  
a.  that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or  
b.  that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.
3.  Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.

4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:
- a full or partial English language translation submitted herewith,
  - a foreign patent office search report (in the English language) submitted herewith,
  - the concise explanation contained in the specification of the present application at page,
  - the concise explanation set forth in the attached English language abstract,
  - the concise explanation set forth below or on a separate sheet attached to the reference:
5.  A foreign patent office search report citing one or more of the references is enclosed.

Respectfully submitted,

Yasuyuki SUZUKI et al.

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FORM PTO 1449 (modified)

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PATENT AND TRADEMARK OFFICE  
LIST OF REFERENCES CITED BY APPLICANT(S)  
(Use several sheets if necessary)

Date Submitted to PTO: February 19, 2002

APPLICANT  
Yasuyuki SUZUKI et al.FILING DATE  
February 19, 2002

GROUP

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AJ	10-182455	7/1998	JP			
	AK	578620	1/1994	EP			
	AL	97/32871	9/1997	WO			
	AM	879597	11/1998	EP			
	AN	10-182450	7/1996	JP			

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	AO	
	AP	
	AQ	

EXAMINER

DATE CONSIDERED

# MELATONIN-CONTAINING PLASTER



**Patent number:** JP10182455  
**Publication date:** 1998-07-07  
**Inventor:** HIDAKA NAGAFUMI; KATO TOSHIYUKI  
**Applicant:** TEISAN SEIYAKU KK  
**Classification:**  
- **international:** A61K31/40; A61K9/70; A61K9/70  
- **european:**  
**Application number:** JP19960343279 19961224  
**Priority number(s):**

## Abstract of JP10182455

**PROBLEM TO BE SOLVED:** To supply a melatonin-containing plaster, good in percutaneous absorptivity and capable of readily releasing the melatonin according to the pattern of the melatonin concentration in blood original to a living body.

**SOLUTION:** This plaster comprises (B) a tacky composition, containing (A) melatonin and formed on a support. In the plaster, (1) the weight ratio of the melatonin A in the tacky composition B is represented by the formula  $B \times 0.05 < A < B \times 0.4$  and (2) the tacky composition B contains (E) one or more relapse promoting solvents selected from ethanol, methanol, acetone and ethyl acetate. Furthermore, the weight ratio of the release promoting solvents E is represented by the formula  $B \times 0.05 < E < B \times 3$ .

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